IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of   Atty. Docket

GILLES MIET   FR 000137

Serial No.   Group Art Unit

Filed: CONCURRENTLY   Ex.

Title: APPARATUS COMPRISING A RECEIVING DEVICE FOR RECEIVING DATA
ORGANIZED IN FRAMES AND METHOD FO RECONSTRUCTING LACKING
INFORMATION

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination, please
amend the above-identified application as follows:

IN THE CLAIMS

Please amend claims 3-7 as follows:

3. (Amended)   An apparatus as claimed in claim 1, characterized
in that said waveforms are standardized during a time period called
reference period before extrapolation and in that the reconstructed
waveform is destandardized as a function of an extrapolated
duration.

4. (Amended)   An apparatus as claimed in claim 1, characterized
in that the reconstruction device comprises an adder of noise whose
magnitude is based on the degree of correlation between the
waveforms already passed.

5. (Amended)   An apparatus as claimed in claim 1, characterized
in that the reference period is based on the period of the highest
possible waveforms.

1 6. (Amended)   An apparatus as claimed in claim 1, characterized

2 in that it satisfies the GSM and/or UMTS standard.

1 7. (Amended)   A data reconstruction method implemented in the

2 apparatus as claimed in claim 1, characterized in that it comprises
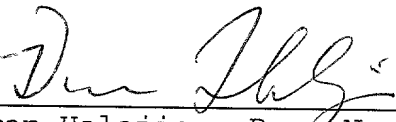
3 the following steps:

4 -   storage of a certain number of data

5 -   determination of waveforms based on these stored data

6 -   determination of the period of these waveforms,

7 -   possible standardization during a same period called

8 reference period of these waveforms,

9 -   reconstruction of waveforms established via correlation

10 with already established waveforms, on the basis of the reference

11 period,

12 -   reconstruction of the period of the reconstructed

13 waveforms based on the period of the already established waveforms,

14 -   destandardization of the reconstructed waveforms, and

15 -   replacement of bad data by the reconstructed and

16 destandardized waveforms.

REMARKS

The foregoing amendment to claims 3-7 were made solely to avoid filing the claims in the multiple dependent form so as to avoid the additional filing fee.

The claims were not amended in order to address issues of patentability and Applicant respectfully reserves all rights under the Doctrine of Equivalents. Applicant furthermore reserves the right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

Respectfully submitted,

By _____
Dicran Halajian, Reg. No.39,703
Attorney
(914) 333-9607
December 13, 2001

Appendix A

Version with Markings
to Show Changes Made to the Claims
The following are marked up versions of amended claims 3-7:

1   3. (Amended)   An apparatus as claimed in ~~one of the~~ claims 1 ~~to~~

2   ~~2~~, characterized in that said waveforms are standardized during a

3   time period called reference period before extrapolation and in

4   that the reconstructed waveform is destandardized as a function of

5   an extrapolated duration.

4. (Amended)   An apparatus as claimed in ~~one of the~~ claims 1 ~~to~~

~~3~~, characterized in that the reconstruction device comprises an

adder of noise whose magnitude is based on the degree of

correlation between the waveforms already passed.

5. (Amended)   An apparatus as claimed in ~~one of the~~ claims 1 ~~to~~

~~4~~, characterized in that the reference period is based on the

period of the highest possible waveforms.

1   6. (Amended)   An apparatus as claimed in ~~one of the~~ claims 1 ~~to~~

2   ~~5~~, characterized in that it satisfies the GSM and/or UMTS standard.

1   7. (Amended)   A data reconstruction method implemented in the

2   apparatus as claimed in ~~one of the~~ claims 1 ~~to 6~~, characterized in

3   that it comprises the following steps:

4   -   storage of a certain number of data

5   -   determination of waveforms based on these stored data

6   -   determination of the period of these waveforms,

7   -   possible standardization during a same period called

8   reference period of these waveforms,

1   -   reconstruction of waveforms established via correlation
2 with already established waveforms, on the basis of the reference
3 period,
4   -   reconstruction of the period of the reconstructed
5 waveforms based on the period of the already established waveforms,
6   -   destandardization of the reconstructed waveforms, and
7   -   replacement of bad data by the reconstructed and
8 destandardized waveforms.